RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/637,760
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RAW SEQUENCE LISTING DATE: 03/18/2005
PATENT APPLICATION: **US/10/637,710** TIME: 17:27:17

Input Set : **A:\-10-2.app**
Output Set: **N:\CRF4\03182005\J637710.raw**

<110> APPLICANT: Panda, Satchidananda
Hogenesch, John B.
Provincio, Ignacio
Kay, Steve A.
IRM LLC
Uniformed Services University of the Health Sciences
<120> TITLE OF INVENTION: Methods for Treating Circadian Rhythm Phase Disturbances
<130> FILE REFERENCE: 021288-001020US
<140> CURRENT APPLICATION NUMBER: US 10/637,710
<141> CURRENT FILING DATE: 2003-08-08
<150> PRIOR APPLICATION NUMBER: US 60/402,570
<151> PRIOR FILING DATE: 2002-08-08
<150> PRIOR APPLICATION NUMBER: US 60/482,384
<151> PRIOR FILING DATE: 2003-06-25
<160> NUMBER OF SEQ ID NOS: 12
<170> SOFTWARE: PatentIn Ver. 2.1
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57 tgccatccac aatcccatta tctacgccat cactcacccc aagtacaggg tggccattgc 1260
58 ccagcacctg ccttgccttg gggtgcttct cggtgtatca ggccagcgca gccacccctc 1320
59 cctcagctac cgctctaccc accgctccac attgagcagc cagtcctcag acctcagctg 1380
60 gatctctgga cggaagcgtc aagagtccct gggttctgag agtgaagtgg gctggacaga 1440
61 cacagaaaca accgctgcat ggggagctgc ccagcaagca agtggacagt ccttctgcag 1500
62 tcagaaccta gaagatggag aactcaaggc ctcttccagc ccccaggtac agagatctaa 1560
63 gactcccaag gtgcctggac ccagtacctg ccgccctatg aaaggacagg gagccaggcc 1620
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68 tataacttat gtgcccttga agatatgtgg cctacagcag agaacaactc atgcgtgtgt 1920
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88              20                  25                  30
90 Gln Asn Val Ser Val Arg Ala Gln Leu Leu Ser Val Ser Pro Thr Thr
91          35                  40                  45
93 Ser Ala His Gln Ala Ala Ala Trp Val Pro Phe Pro Thr Val Asp Val
94      50                  55                  60
96 Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val Gly
97  65                  70                  75                  80
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100                 85                  90                  95
102 Asn Arg Gly Leu Arg Thr Pro Ala Asn Met Phe Ile Ile Asn Leu Ala
103             100                 105                 110
105 Val Ser Asp Phe Leu Met Ser Val Thr Gln Ala Pro Val Phe Phe Ala
106         115                 120                 125
108 Ser Ser Leu Tyr Lys Lys Trp Leu Phe Gly Glu Thr Gly Cys Glu Phe
109     130                 135                 140
111 Tyr Ala Phe Cys Gly Ala Val Phe Gly Ile Thr Ser Met Ile Thr Leu
112 145                 150                 155                 160
114 Thr Ala Ile Ala Met Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu Ala
115                 165                 170                 175
117 Thr Ile Gly Arg Gly Ser Lys Arg Arg Thr Ala Leu Val Leu Leu Gly
118             180                 185                 190
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Input Set : A:\-10-2.app
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126 Met Thr Phe Thr Pro Gln Val Arg Ala Tyr Thr Met Leu Leu Phe Cys
127 225                 230                 235                 240
129 Phe Val Phe Phe Leu Pro Leu Leu Ile Ile Ile Phe Cys Tyr Ile Phe
130                 245                 250                 255
132 Ile Phe Arg Ala Ile Arg Glu Thr Gly Arg Ala Cys Glu Gly Cys Gly
133             260                 265                 270
135 Glu Ser Pro Leu Arg Gln Arg Arg Gln Trp Gln Arg Leu Gln Ser Glu
136         275                 280                 285
138 Trp Lys Met Ala Lys Val Ala Leu Ile Val Ile Leu Leu Phe Val Leu
139     290                 295                 300
141 Ser Trp Ala Pro Tyr Ser Thr Val Ala Leu Val Ala Phe Ala Gly Tyr
142 305                 310                 315                 320
144 Ser His Ile Leu Thr Pro Tyr Met Ser Ser Val Pro Ala Val Ile Ala
145                 325                 330                 335
147 Lys Ala Ser Ala Ile His Asn Pro Ile Ile Tyr Ala Ile Thr His Pro
148             340                 345                 350
150 Lys Tyr Arg Val Ala Ile Ala Gln His Leu Pro Cys Leu Gly Val Leu
151         355                 360                 365
153 Leu Gly Val Ser Gly Gln Arg Ser His Pro Ser Leu Ser Tyr Arg Ser
154     370                 375                 380
156 Thr His Arg Ser Thr Leu Ser Ser Gln Ser Ser Asp Leu Ser Trp Ile
157 385                 390                 395                 400
159 Ser Gly Arg Lys Arg Gln Glu Ser Leu Gly Ser Glu Ser Glu Val Gly
160                 405                 410                 415
162 Trp Thr Asp Thr Glu Thr Thr Ala Ala Trp Gly Ala Ala Gln Gln Ala
163             420                 425                 430
165 Ser Gly Gln Ser Phe Cys Ser Gln Asn Leu Glu Asp Gly Glu Leu Lys
166         435                 440                 445
168 Ala Ser Ser Ser Pro Gln Val Gln Arg Ser Lys Thr Pro Lys Val Pro
169     450                 455                 460
171 Gly Pro Ser Thr Cys Arg Pro Met Lys Gly Gln Gly Ala Arg Pro Ser
172 465                 470                 475                 480
174 Ser Leu Arg Gly Asp Gln Lys Gly Arg Leu Ala Val Cys Thr Gly Leu
175                 485                 490                 495
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196 caacccaaga gcccagctgc atggccaccc cagcaccacc cagctggtgg gacagctccc 240
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201 cggtcagcga cttcctcatg tccttcaccc aggcccctgt cttcttcacc agtagcctct 540
202 ataagcagtg gctctttggg gagacaggct gcgagttcta tgccttctgt ggagctctct 600
203 ttggcatttc ctccatgatc accctgacgg ccatcgccct ggaccgctac ctggtaatca 660
204 cacgcccgct ggccaccttt ggtgtggcgt ccaagaggcg tgcggcattt gtcctgctgg 720
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206 tgcccgaggg gttgctgaca tcctgctcct gggactacat gagcttcacg ccggccgtgc 840
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211 ccgctgtggc cctggtggcc tttgctgggt acgcacacgt cctgacaccc tacatgagct 1140
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225 agaacacacc agctatttat gagcctctgc ccccaggctg ggcctgtcac tggcatagga 1980
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255 Val Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val
256  65                  70                  75                  80
258 Gly Leu Thr Gly Met Leu Gly Asn Leu Thr Val Ile Tyr Thr Phe Cys
259                  85                  90                  95
261 Arg Ser Arg Ser Leu Arg Thr Pro Ala Asn Met Phe Ile Ile Asn Leu
262              100                 105                 110
264 Ala Val Ser Asp Phe Leu Met Ser Phe Thr Gln Ala Pro Val Phe Phe
265          115                 120                 125
267 Thr Ser Ser Leu Tyr Lys Gln Trp Leu Phe Gly Glu Thr Gly Cys Glu
268      130                 135                 140
270 Phe Tyr Ala Phe Cys Gly Ala Leu Phe Gly Ile Ser Ser Met Ile Thr
271 145                 150                 155                 160
273 Leu Thr Ala Ile Ala Leu Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu
274                 165                 170                 175
276 Ala Thr Phe Gly Val Ala Ser Lys Arg Arg Ala Ala Phe Val Leu Leu
277              180                 185                 190
279 Gly Val Trp Leu Tyr Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly
280          195                 200                 205
282 Trp Ser Ala Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp
283      210                 215                 220
285 Tyr Met Ser Phe Thr Pro Ala Val Arg Ala Tyr Thr Met Leu Leu Cys
286 225                 230                 235                 240
288 Cys Phe Val Phe Phe Leu Pro Leu Leu Ile Ile Ile Tyr Cys Tyr Ile
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291 Phe Ile Phe Arg Ala Ile Arg Glu Thr Gly Arg Ala Leu Gln Thr Phe
292              260                 265                 270
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295          275                 280                 285
297 Gln Ser Glu Cys Lys Met Ala Lys Ile Met Leu Leu Val Ile Leu Leu
298      290                 295                 300
300 Phe Val Leu Ser Trp Ala Pro Tyr Ser Ala Val Ala Leu Val Ala Phe
301 305                 310                 315                 320
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304                 325                 330                 335
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309 Thr His Pro Lys Tyr Arg Val Ala Ile Ala Gln His Leu Pro Cys Leu
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312 Gly Val Leu Leu Gly Val Ser Arg Arg His Ser Arg Pro Tyr Pro Ser
313      370                 375                 380
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318 Ser Trp Ile Ser Ile Arg Arg Arg Gln Glu Ser Leu Gly Ser Glu Ser
319                 405                 410                 415
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